

ATTACHMENT

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Microbac

Microbac Laboratories, Inc.
Bradford Division
P.O. Box 489, Bradford, Pennsylvania 16701
Phone: (814) 368-6087 Fax: (814) 368-6091
e-mail: bradforddiv@microbac.com

INDOOR AIR QUALITY SURVEY

At

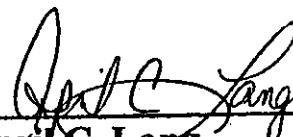
Unicor F.C. I. McKean
Rt. 59 and Big Shanty Road
Lewis Run, PA 16738

Work Order No.: 9931-444

Date of Sampling: July 31, 2001

Performed For: Unicor Factory

Report Reviewed By:


April C. Lang
Laboratory Director

Microbac

Microbac Laboratories, Inc.

Bradford Division

P.O. Box 489, Bradford, Pennsylvania 16701
Phone: (814) 368-6087 Fax: (814) 368-6091
e-mail: bradforddiv@microbac.com

SUMMARY

At the request of Roger Reinard of Unicor F.C. I. McKean, an Indoor Air Quality Survey was performed in the Unicor Factory on July 31, 2001. The sampling was performed from 7:00 a.m. until 3:45 p.m. The reason for the sampling was an OSHA complaint regarding dust in the air at the facility.

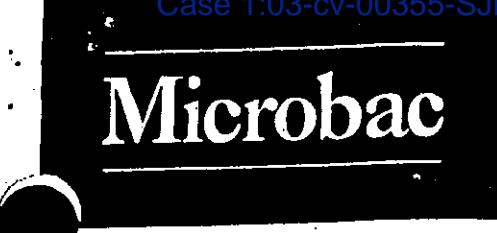
The sampling parameters requested were total and respirable particulates. The collection media was matched weight filter and the analysis method was NIOSH 0500 for total particulates and NIOSH 0600 for respirable particulates.

Two field technicians, April Lang and Mike Francis, arrived at the facility at 0600 hours and proceeded to the Unicor Factory. After consultation with the staff it was decided to set up the pumps and air sampling equipment at the following sites:

Router Station
Large Panel Saw Area
CNC Machine Area
Radial Arm Saw Area
Weeke Point to Point Machine Area
Edge Bander Area

The pumps were set up and testing began between 0730 and 0745 hours such that eight hours was achieved for the total sampling time at each area. At this time one of the field technicians, April Lang, left the site and Mike Francis remained on site to check the status of the equipment and filters during the testing. The pumps and filters were disassembled between 1530 and 1545 hours and the field technician left the premises.

Results can be found on the attached Certificate of Analysis. The OSHA standard for Total Particulates/Nuisance Dust is 15 mg/cubic meter and 5.0 mg/cubic meter for Respirable Particulates/Respirable Nuisance Dust. As per our report none of the samples exceeded these limits.


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PA 16701

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CERTIFICATE OF ANALYSIS

UNICOR F.C.I. MCKEAN

P.O. BOX 5000

BRADFORD PA 16701

 Date Reported 8/13/01
 Date Received 7/31/01
 Order No 9931-00444
 Invoice No 008032
 Cust # E009
 Sampled Date 7/31/01
 Sampled Time 00:00
 Sample Id

 Permit No
 Cust P.O. 4700046491

Subject: PARTICULATE IN AIR TESTING, 7/31/01

TEST	METHOD	RESULT	UNITS	DATE	TIME
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ROUTER STATION - TOTAL PARTICULATES, 0730 - 1530 HRS.
AIR TEST INFORMATION

SAMPLED BY:

SAMPLING MEDIA

OPERATOR

FILTER/TUBE NUMBER

SAMPLING DATE

SAMPLING TIME

FLOW RATE

VOLUME OF AIR SAMPLED

PARTICULATES, TOTAL

NIOSH 0500

			7/31/01	MPP
	MATCHED WEIGHT	FILTER	7/31/01	MPP
	MPP		7/31/01	MPP
	9931-444-1		7/31/01	MPP
	7/31/01		7/31/01	MPP
	480	MINUTES	7/31/01	MPP
	3.0	LITERS/MIN	7/31/01	MPP
	1440	LITERS	7/31/01	MPP
	<0.2	MG/M3	8/09/01	ERI
			15	

ROUTER STATION - RESPIRABLE PARTICULATES, 0730 - 1530 HRS.
AIR TEST INFORMATION

SAMPLED BY:

SAMPLING MEDIA

PUMP OPERATOR

FILTER/TUBE NUMBER

SAMPLING DATE

SAMPLING TIME

FLOW RATE

VOLUME OF AIR SAMPLED

PARTICULATES, RESPIRABLE

NIOSH 0600

			7/31/01	MPP
	MPP	FILTER	7/31/01	MPP
	MPP		7/31/01	MPP
	9931-444-2		7/31/01	MPP
	7/31/01		7/31/01	MPP
	480	MINUTES	7/31/01	MPP
	1.7	LITERS/MIN	7/31/01	MPP
	816	LITERS	7/31/01	MPP
	<0.4	MG/M3	8/09/01	ERI
			15	

Certificate Of Analysis Continued On Next Page

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LARGE PANEL SAW AREA - TOTAL PARTICULATES, 0733 - 1533 HRS.

AIR TEST INFORMATION

SAMPLED BY:

SAMPLING MEDIA

OPERATOR

FILTER/TUBE NUMBER

SAMPLING DATE

SAMPLING TIME

FLOW RATE

VOLUME OF AIR SAMPLED

PARTICULATES, TOTAL

NIOSH 0500

 7/31/01 NPP
 7/31/01 NPP
 MATCHED WEIGHT FILTER 7/31/01 NPP
 7/31/01 NPP
 9931-444-3 7/31/01 NPP
 7/31/01 NPP
 480 MINUTES 7/31/01 NPP
 3.0 LITERS/MIN 7/31/01 NPP
 1440 LITERS 7/31/01 NPP
 0.3 MG/M3 8/09/01 ERI

LARGE PANEL SAW AREA - RESPIRABLE PARTICULATES, 0733 - 1533 HRS.

PARTICULATES, RESPIRABLE

NIOSH 0600

 <0.4 MG/M3 8/09/01 ERI
 7/31/01 NPP
 7/31/01 NPP
 MATCHED WEIGHT FILTER 7/31/01 NPP
 7/31/01 NPP
 9931-444-4 7/31/01 NPP
 7/31/01 NPP
 480 MINUTES 7/31/01 NPP
 1.7 LITERS/MIN 7/31/01 NPP
 816 LITERS 7/31/01 NPP

Certificate Of Analysis Continued On Next Page

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TEST	METHOD	RESULT	UNITS	DATE	TECH
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CNC MACHINE AREA - TOTAL PARTICULATES, 0736 - 1536 HRS.

AIR TEST INFORMATION

SAMPLED BY:

SAMPLING MEDIA

PUMP OPERATOR

FILTER/TUBE NUMBER

SAMPLING DATE

SAMPLING TIME

FLOW RATE

VOLUME OF AIR SAMPLED

PARTICULATES, TOTAL

			7/31/01	MPF
			7/31/01	ERI

CNC MACHINE AREA - RESPIRABLE PARTICULATES, 0736 - 1536 HRS.

AIR TEST INFORMATION

SAMPLED BY:

SAMPLING MEDIA

PUMP OPERATOR

FILTER/TUBE NUMBER

SAMPLING DATE

SAMPLING TIME

FLOW RATE

VOLUME OF AIR SAMPLED

PARTICULATES, RESPIRABLE

			7/31/01	MPF
			7/31/01	ERI

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TEST	METHOD	RESULT	UNITS	DATE	TECH
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RADIAL ARM SAW AREA - TOTAL PARTICULATES, 0737 - 1537 HRS.
AIR TEST INFORMATION

SAMPLED BY:

SAMPLING MEDIA

OPERATOR

FILTER/TUBE NUMBER

SAMPLING DATE

SAMPLING TIME

FLOW RATE

VOLUME OF AIR SAMPLED

PARTICULATES, TOTAL

	MPF		7/31/01	MPF
	MATCHED WEIGHT	FILTER	7/31/01	MPF
	MPF		7/31/01	MPF
	9931-444-7		7/31/01	MPF
	7/31/01		7/31/01	MPF
	480	MINUTES	7/31/01	MPF
	3.0	LITERS/MIN	7/31/01	MPF
	1440	LITERS	7/31/01	MPF
	0.2	MG/M3	8/09/01	ERI

RADIAL ARM SAW AREA - RESPIRABLE PARTICULATES, 0737 - 1537 HRS.
AIR TEST INFORMATION

SAMPLED BY:

SAMPLING MEDIA

PUMP OPERATOR

FILTER/TUBE NUMBER

SAMPLING DATE

SAMPLING TIME

FLOW RATE

VOLUME OF AIR SAMPLED

PARTICULATES, RESPIRABLE

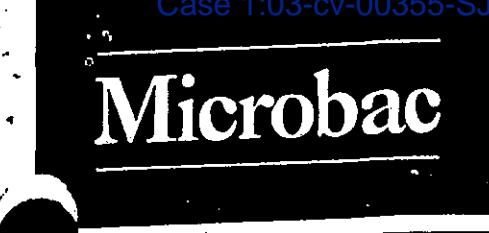
	MPF		7/31/01	MPF
	MATCHED WEIGHT	FILTER	7/31/01	MPF
	MPF		7/31/01	MPF
	9931-444-8		7/31/01	MPF
	7/31/01		7/31/01	MPF
	480	MINUTES	7/31/01	MPF
	1.7	LITERS/MIN	7/31/01	MPF
	816	LITERS	7/31/01	MPF
	<0.4	MG/M3	8/09/01	ERI

Certificate Of Analysis Continued On Next Page

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TEST	METHOD	RESULT	UNITS	DATE	TECH
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WEEK POINT TO POINT - TOTAL PARTICULATES, 0745 - 1545 HRS.

AIR TEST INFORMATION

SAMPLED BY:			7/31/01	MPP		
SAMPLING MEDIA			7/31/01	MPP		
OPERATOR			7/31/01	MPP		
FILTER/TUBE NUMBER			9931-444-9	MPP		
SAMPLING DATE			7/31/01	MPP		
SAMPLING TIME			480	MINUTES	7/31/01	MPP
FLOW RATE			3.0	LITERS/MIN	7/31/01	MPP
VOLUME OF AIR SAMPLED			1440	LITERS	7/31/01	MPP
PARTICULATES, TOTAL	NIOSH 0500	<0.2	MG/M3	8/09/01	ERI	

WEEK POINT TO POINT - RESPIRABLE PARTICULATES, 0745 - 1545 HRS.

AIR TEST INFORMATION

SAMPLED BY:			7/31/01	MPP		
SAMPLING MEDIA			7/31/01	MPP		
OPERATOR			7/31/01	MPP		
FILTER/TUBE NUMBER			9931-444-10	MPP		
SAMPLING DATE			7/31/01	MPP		
SAMPLING TIME			480	MINUTES	7/31/01	MPP
FLOW RATE			1.7	LITERS/MIN	7/31/01	MPP
VOLUME OF AIR SAMPLED			816	LITERS	7/31/01	MPP
PARTICULATES, RESPIRABLE	NIOSH 0600	<0.4	MG/M3	8/09/01	ERI	

Certificate Of Analysis Continued On Next Page

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P	TEST	METHOD	RESULT	UNITS	DATE	TECH
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1 EDGE BANDER - TOTAL PARTICULATES, 0735 - 1535 HRS.

AIR TEST INFORMATION

SAMPLED BY:

ING MEDIA

OPERATOR

FILTER/TUBE NUMBER

SAMPLING DATE

SAMPLING TIME

FLOW RATE

VOLUME OF AIR SAMPLED

PARTICULATES, TOTAL

NIOSH 0500

	MPF		MPF
WEIGHT	MPF	FILTER	MPF
9931-444-11	MPF		MPF
7/31/01	MPF		MPF
480	MINUTES	7/31/01	MPF
3.0	LITERS/MIN	7/31/01	MPF
1440	LITERS	7/31/01	MPF
<0.2	MG/M3	8/09/01	ERI

EDGE BANDER - RESPIRABLE PARTICULATES, 0735 - 1535 HRS.

AIR TEST INFORMATION

SAMPLED BY:

SAMPLING MEDIA

PUMP OPERATOR

FILTER/TUBE NUMBER

SAMPLING DATE

SAMPLING TIME

FLOW RATE

VOLUME OF AIR SAMPLED

PARTICULATES, RESPIRABLE

NIOSH 0600

	MPF		MPF
WEIGHT	MPF	FILTER	MPF
9931-444-12	MPF		MPF
7/31/01	MPF		MPF
480	MINUTES	7/31/01	MPF
1.7	LITERS/MIN	7/31/01	MPF
816	LITERS	7/31/01	MPF
<0.4	MG/M3	8/09/01	ERI

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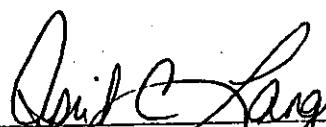
TEST	METHOD	RESULT	UNITS	DATE	TIME
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TECHNICIAN TIME

7/31/01 30P

TECHNICIAN CHARGE

ANALYSES BY PA LABS: 42-060
25-067


MICROBAC BRADFORD DIVISION

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